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"Express Mail" Label No. : EV 463 357 347 US

Serial No. : 10/763,068

Applicant(s) : Peng et al.

Filing Date : January 22, 2004

Title: : Monodisperse Core/Shell and Other Complex
Structured Nanocrystals and Methods of
Preparing the Same

Examiner : To Be Assigned

Group Art Unit : 1774

Type of Document(s) : Express Mail Certificate;
Transmittal Form;
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Peng et al.
Serial No. : 10/763,068
For : **Monodisperse Core/Shell and Other
Complex Structured Nanocrystals and
Methods of Preparing the Same**

Filed : January 1, 2004
Examiner : To Be Assigned
Art Unit : 1774

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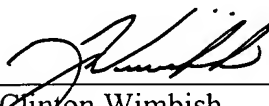
INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants submit herewith on Form SB/08A a listing of documents known to the Applicants and/or their attorney. Applicants respectfully request consideration of the cited documents and making the same of record in the prosecution of the above-identified application. In doing so, Applicants do not waive any rights to appropriate action to establish patentability over the listed documents should they be applied as references against the claims of the present application. Copies of the thirteen (13) documents listed are submitted herewith.

This Information Disclosure Statement is being submitted prior to the mailing of a first Office Action in the present application. As a result, Applicants believe that no fee is currently due. However, should any fees be due, the Commissioner is authorized to charge such fees to Deposit Account No. 16-1435. A duplicate of this sheet is attached for that purpose.

Respectfully submitted,

12/14/04
Date


J. Clinton Wimbish
Reg. No. 54,545

Kilpatrick Stockton LLP
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(336) 607-7300

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/763,068
Filing Date	January 22, 2004
First Named Inventor	Peng et al.
Art Unit	1774
Examiner Name	To Be Assigned
Attorney Docket Number	40715-296579

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ALIVISATOS, A.P., "Perspectives on the Physical Chemistry of Semiconductor Nanocrystals," J. Phys. Chem., 1996, Vol. 100, Pages 13226-13239, Column 2, Paragraphs 2-3; Page 13228, Column 2, Paragraph 1; Page 13229, Figure 6; Page 13233, Figure 14; Page 13238, Luminescence.	
		MANNA et al., "Epitaxial Growth and Photochemical Annealing of Graded CdS/ZnS Shells on Colloidal CdSe Nanorods," J. Am. Chem. Soc., 2002, Vol. 124, Pages 7136-7145. Abstract, Page 7138; Results; Page 7143, Figure 7.	
		CHAN et al., "Luminescent quantum dots for multiplexed biological detection and imaging," Current Opinion in Biotechnology, 2002, Vol. 13, Pages 40-46, especially pages 40-41.	
		REISS et al., "Highly Luminescent CdSe/ZnSe Core/Shell Nanocrystals of Low Size Dispersion," Nano Letters, 2002, Vol 2, No. 7, Pages 781-784. Abstract, Page 781, Column 1, Paragraph 1; Page 782, Text, Figure 3.	
		CAO et al., "Synthesis and Characterization of InAs/InP and InAs/CdSe Core/Shell Nanocrystals," Angew. Chem. Int. Ed., 1999, Vol. 38, No. 24, Pages 3692-3694.	
		LEE et al., "Full Color Emission from II-VI Semiconductor Quantum Dot-Polymer Composites," Adv. Mater., 2000, Vol. 12, No. 15, Pages 1102-1105.	
		CUMBERLAND et al., Inorganic Clusters as Single-Source Precursors for Preparation of CdSe, ZnSe and CdSe/ZnS Nanomaterials," Chem. Mater., 2002, Vol. 14, Pages 1576-1584, especially pages 1576-1578.	
		International Search Report dated September 8, 2004, for related PCT application PCT/US04/01895.	

Examiner Signature	Date Considered
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/763,068
	Filing Date	January 22, 2004
	First Named Inventor	Peng et al.
	Art Unit	1774
	Examiner Name	To Be Assigned
Total Number of Pages in This Submission	Attorney Docket Number	40715-296579

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	Kilpatrick Stockton LLP		
Signature			
Printed Name	J. Clinton Wimbish		
Date	12/14/04	Reg. No.	54,545

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